

Electric Power Entity Reporting Imports, Exports, and Wheels

Covered Emissions CalculationSection 95111

April 26, 2012

Presentation Slides Available Here:

http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm



Disclaimer

This training is provided by ARB solely for informational purposes. It does not provide legal advice and does not have legally binding effect. This training does not supplant, replace or amend any of the legal requirements in the Regulation for the Mandatory Reporting of Greenhouse Gas Emissions, title 17, California Code of Regulations, sections 95100-95157 and associated regulations referenced therein.

Conversely, any omission or truncation of regulatory requirements found within this training does not relieve any entity or person of their legal obligations to fully comply with all requirements of the regulation.



Presentation Agenda Reporting Under §95111

- 1. Reporting Timeline Key Dates
- 2. Regulatory Basis for Reporting
- 3. Cal e-GGRT Reporting Tool
- 4. Excel Workbook: Covered Emissions Calculation
- 5. Data Transfer to Cal-eGGRT: Save Excel Workbook to XML and Upload
- 6. Data Certification by June 1st
- 7. Verification Process Overview
- 8. Training Resources & Additional Information



Regulatory Basis for Reporting

- California Air Resources Board MRR
 - Regulation for the Mandatory Reporting of Greenhouse Gas Emissions, title 17, California Code of Regulations, Sections 95100-95157
 - http://www.arb.ca.gov/cc/reporting/ghgrep/regulation/2010 regulation.htm
- AB 32 Requirement
- US EPA GHG Rule



Key Reporting Dates

- See Key Dates webpage for specific dates applicable to reporting year
- http://www.arb.ca.gov/cc/reporting/ghgrep/ghg-rep-dates.htm
- Actual Reporting Dates may differ from dates specified in the regulation if the specified dates fall on a Saturday, Sunday, or Holiday
- Key Dates page is updated annually with required submission dates



Cal-eGGRT Reporting Tool

Overview of Section 95111 Requirements



What is Cal e-GGRT?

- Cal e-GGRT is the online system used to report all data required by the GHG mandatory reporting regulation.
- The tool contains modules for each sector required to report.
 - Also includes modules for Fee Regulation and SF₆
- Multiple users can be associated with a single facility or entity.
- Verifiers can be associated with facilities and entities in the tool for verification purposes" rather than "data review purposes.





Overview of Cal e-GGRT Operation

- Registration old and new reporters.
- Input required facility information.
- Adding subparts for reporting.
- Entering emissions data.
- Data reporting mechanisms.
 - Direct interface, XML spreadsheet uploads, spreadsheet attachments (varies by sector)
- Validation messages.



Registration

- Need an ARB Registration Code to register in Cal e-GGRT
 - New reporters must request an ARB Registration Code prior to registration. Send an e-mail request to

ghgreport@arb.ca.gov

March 1: Registration and System Overview

A brief overview of registering in the new Cal e-GGRT system and overall system operation.

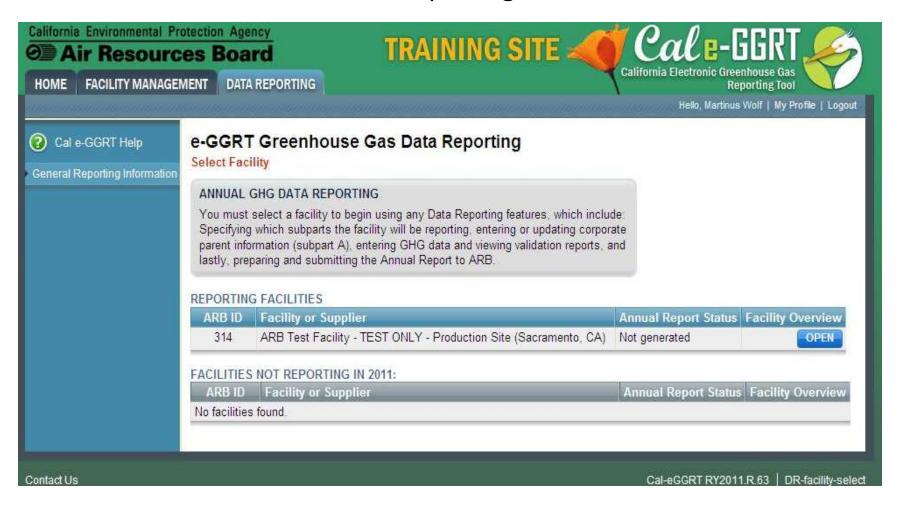
Slides: <u>1-per-page (color)</u> <u>4-per-page (B&W)</u>

Detailed Registration Instructions



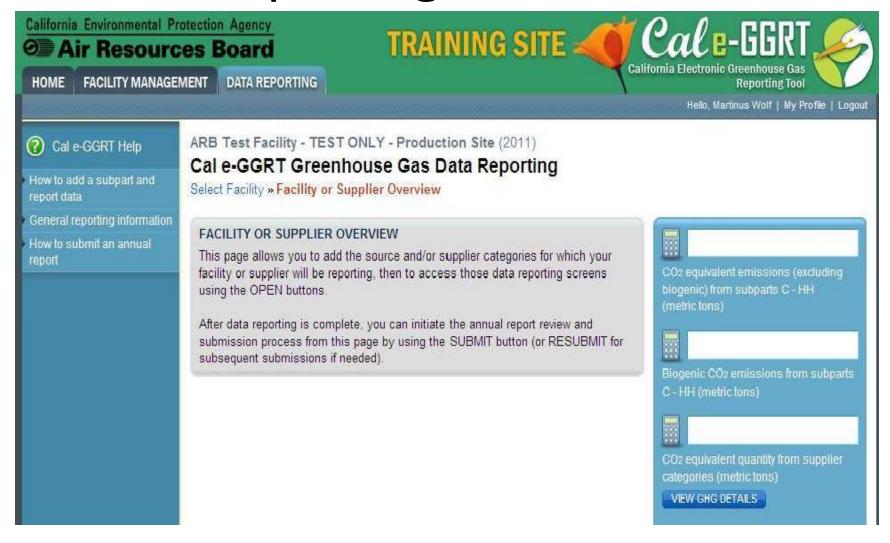
Cal e-GGRT Tabs

Data Reporting Tab



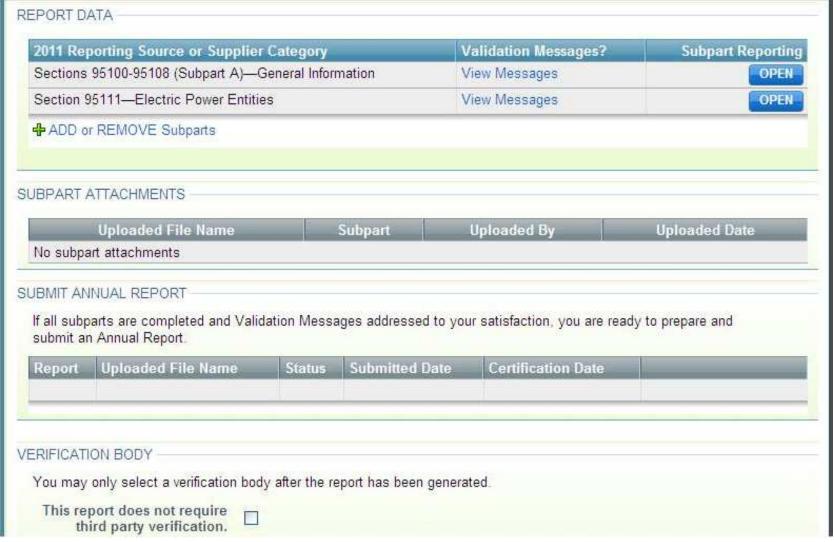


Reporting Emissions



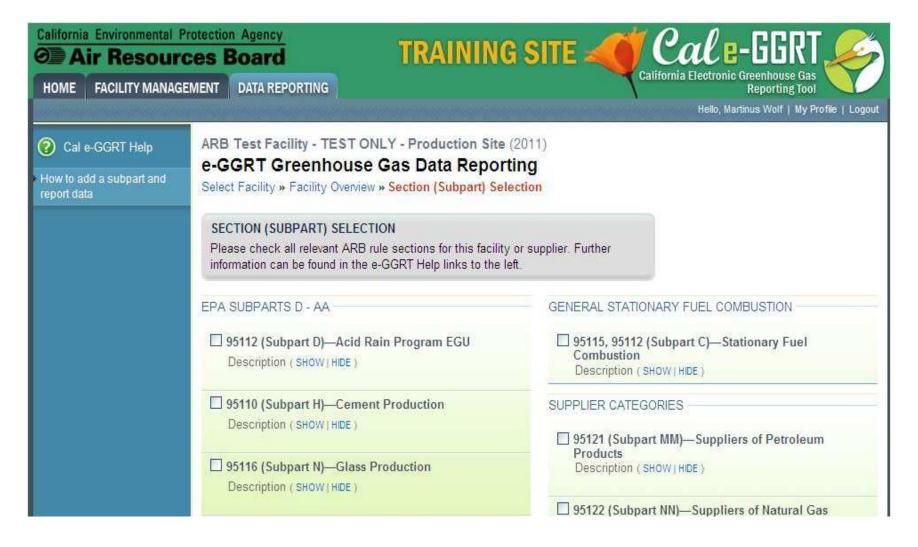


Reporting Emissions





Reporting: Adding Subparts





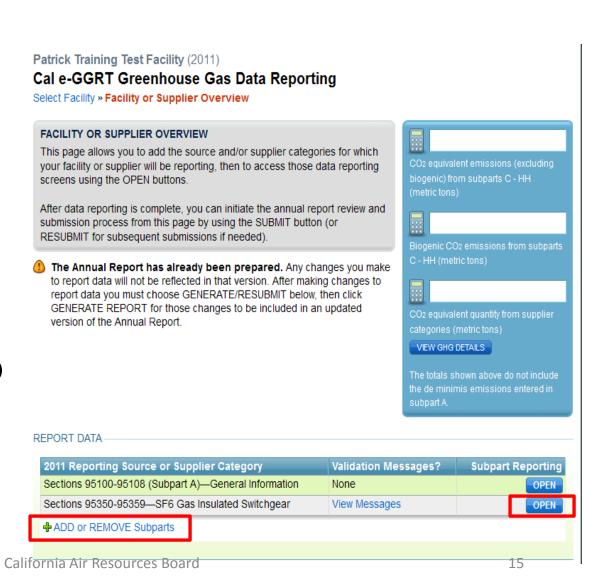
Reporting: Adding Subparts

Description (SHOW HIDE)	and Natural Gas Liquids Description (SHOW(HIDE)
☐ 95120 (Subpart Q)—Iron and Steel Production Description (SHOW HIDE)	95123 (Subpart PP)—Suppliers of Carbon Dioxide Description (SHOW) HIDE)
Description (SHOW(HIDE)	AB 32 COST OF IMPLEMENTATION FEE REGULATION 95201-95207—AB 32 Cost of Implementation Fee Regulation
☐ 95118 (Subpart V)—Nitric Acid Production Description (SHOW HIDE)	Description (SHOW HIDE) SF6 GAS INSULATED SWITCHGEAR
☐ 95150-95157 (Subpart W)—Oil and Natural Gas Systems Description (SHOW HIDE)	☐ 95350-95359—SF6 Gas Insulated Switchgear Description (SHOW HIDE)
	ELECTRIC POWER ENTITIES
Description (SHOW HIDE)	■ 95111—Electric Power Entities Description (SHOW) HIDE)
95119 (Subpart AA)—Pulp and Paper Manufacturing Description (SHOW HIDE)	
CANCEL	



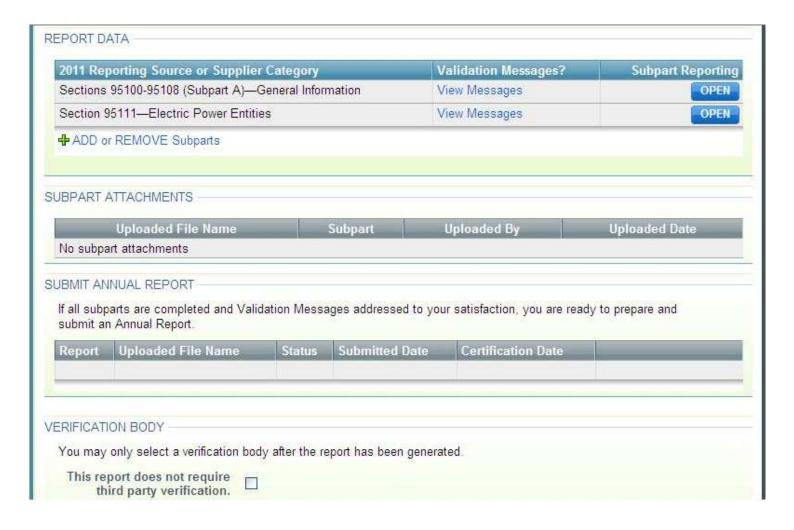
Reporting: Adding 95111 Module

- Add or remove subparts as applicable to reporting entity
- Use to add95111"subpart"
- OPEN subpart to complete data entry for each component





Data Reporting





Data Reporting – §95111

(Open Section 95111 module to begin reporting)

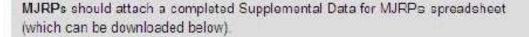
ARB Test Facility - TEST ONLY - Production Site (2011)

Section 95111: Electric Power Entities

Electric Power Entity Overview

OVERVIEW OF ELECTRIC POWER ENTITIES (EPE) REPORTING REQUIREMENTS

Electricity Importers or Exporters should download the Electricity Importers or Exporters spreadsheet below, complete the spreadsheet, export the completed spreadsheet to XML, and upload exported XML below.



WAPA and DWR SWPs should attach a completed Supplemental Data for WAPA and DWR SWP spreadsheet (which can be downloaded below).

BPAs should attach a completed Optional Asset Controlling Supplier Report spreadsheet (which can be downloaded below).



1) DOWNLOAD APPLICABLE FORM(S)

Workbook 1 EPE Importers and Exporters
Workbook 2 EPE Supplementary Data for MJRP
Workbook 3 EPE Supplementary Data for WARA

Workbook 3 EPE Supplementary Data for WAPA and DWR SWP

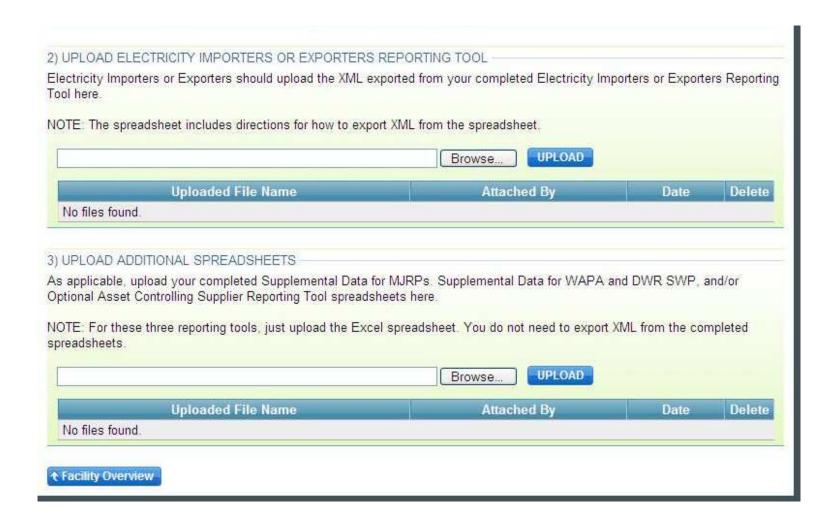
Workbook 4 EPE Optional Asset Controlling Supplier Report

(Required for all Asset Controlling Suppliers)



Data Reporting – §95111

(Open Section 95111 module to begin reporting)





Excel Workbook

Covered Emissions Calculation

California Air Resources Board

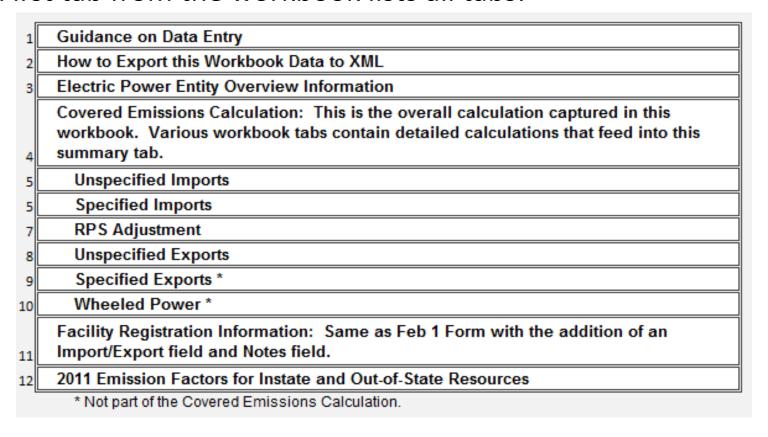


Download the Excel Workbook

- Login to the Cal e-GGRT tool
- Click on the Data Reporting Tab
- Click on any of the OPEN buttons under "Facility Overview"
- Click on the OPEN button for Section 95111 under "Subpart Reporting"
- On the Section 95111 Electric Power Entities webpage, under "1) Download Applicable Form(s)", click on Workbook 1 EPE Importers and Exporters
- Save the Excel file to your computer and open it.



First tab from the workbook lists all tabs:





Walk-Thru of Excel Workbook

- 1. Everyone start Excel and Open the workbook
- 2. Cover each tab in the workbook listed in the previous slide
- 3. Locking and Unlocking the workbook
- 4. Inserting and Deleting Rows
- 5. Cutting and Pasting Data into the workbook
- 6. Take questions from participants



Data Transfer to Cal-eGGRT

Save Excel Workbook to XML and Upload

California Air Resources Board



Data Transfer to Cal-eGGRT

- The Excel workbook
- Save-As (Export) to XML



Upload Saved XML File

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BPAs should attach a completed Optional Asset Controlling Supplier Report spreadsheet (which can be downloaded below).

2) UPLOAD ELECTRICITY IMPORTERS OR EXPORTERS REPORTING TOOL

Electricity Importers or Exporters should upload the XML exported from your completed Electricity Importers or Exporters Reporting Tool here.

NOTE: The spreadsheet includes directions for how to export XML from the spreadsheet.





Validation Messages

- Check Validation Message
- Form upload still required

Section 95111: Electric Power Entities

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Generate, Review, Submit/Certify Report

- Data in spreadsheet attachment, so limited data displayed in report
- Report <u>locked</u> after submit/certify
- Final step of reporting

PRE-CERTIFICATION PREPARATION

Preparation includes generating then reviewing the Annual Report. When complete, you will be able to proceed to certify and submit the Annual Report.

Report	Status	Last Generated
2011 Annual Report v2	Submitted, Pending Certification and Signature	04/05/2012 1:20:28 PM

GENERATE REPORT

Generating the report may take from 1 to 10 minutes depending upon the volume of data.

Once your facility has generated a report, it is still possible to return to the data reporting screens to make changes. Those changes, however, will not be reflected in your Annual Report until you generate it again.

GENERATE REPORT

The Annual Report has already been prepared. Clicking this button will regenerate the report. This action will reflect any changes that have been made to the reported data.

REVIEW REPORT

Prior to the submission and certification of your report to ARB, you may review it by using the VIEW REPORT, VIEW EXCEL or VIEW XML buttons.



SUBMIT and CERTIFY REPORT

If you have reviewed and are satisfied with your Annual Report you may proceed to submit then certify. The certification process includes applying your electronic signature (entering your password and answering a challenge question).

SUBMIT/CERTIFY+



Data Certification by June 1

California Air Resources Board



Data Certification

- GHG report must be certified after generation, review, and submittal
- 2. Certification must be completed by June 1
- After submitting password and answering challenge question, the report will be locked to further modification and will be ready for verification
- 4. If verifier requests revisions, then report will be unlocked to make changes and submit a subsequent revision
- If verifier does not request revisions, then report will be submitted to ARB



Verification Process

Brief Overview

California Air Resources Board



- Reporting by June deadline
- Verification by September deadline
- Final submittal of verification statements
- See Key Dates webpage for specific dates applicable to reporting year
- http://www.arb.ca.gov/cc/reporting/ghg-rep/ghgrep-dates.htm



- After submittal and certification, begin verification process:
 - Submittal must be verified by an Accredited
 Verification Body (list posted on the ARB website,
 http://www.arb.ca.gov/cc/reporting/ghg-ver/ghg-ver.htm)
 - Reporters must contract directly with Accredited Verification Body for verification services
 - ARB will be checking Accredited Verifiers for potential Conflict of Interest



- Verifiers must verify submittal with "reasonable assurance" (not "absolute assurance")
- Verifiers will request documentation of electricity procurements and deliveries (e.g., NERC e-Tags, written power contracts, settlements data, etc.)
- Verifiers will check specified emission factors used



- Verifiers will be verifying reported emissions AND associated data is accurate and complete.
 - "Material misstatement" any discrepancy, omission, or misreporting (or combination) such that the total reported emissions or single reported product component have errors greater than ±5%
 - "Nonconformance" failure to use the methods or emission factors specified to calculate emissions, or the failure to meet any other requirements of the regulation



Verification Process

Material Misstatement Assessment per § 95131

In assessing whether an emissions data report contains a material misstatement, the verification team must separately determine whether the total reported covered emissions and reported single product data components contain a material misstatement using the following equation:

- "Discrepancies" means any differences between the covered emissions/product data and verifier calculated covered emissions/product data for a data source or product data subject to data checks in section 95131(b)(8).
- "Omissions" means any covered emissions or product data the verifier concludes must be part of the emissions data report, but were not included by the reporting entity in the emissions data report.
- "Misreporting" means duplicate, incomplete or other covered emissions the verifier concludes should, or should not, be part of the emissions data report or duplicate or other product data the verifier concludes should not be part of the emissions data report.
- "Total reported emissions/product data" means the total annual reporting entity covered emissions or reported single product data components for which the verifier is conducting a material misstatement assessment.



Training Resources and Additional Information

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Training Resources

- Reporting Guidance: Applicability, Metering
 http://www.arb.ca.gov/cc/reporting/ghg-rep/guidance/guidance.htm
- Cal e-GGRT Main Help Page
 http://www.ccdsupport.com/confluence/display/calhelp/Home
- Tool Training: Registration, Subparts
 http://www.arb.ca.gov/cc/reporting/ghg-rep/tool/ghg-tool.htm
- Cal e-GGRT Sandbox Training Site https://ssldev.arb.ca.gov/Cal-eGGRT/



For More Information

- GHG Reporting Website
 - http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep.htm
- See website for:
 - Regulation, reporting guidance, and fact sheets
 - Reporting tool information
 - "Clean" copy of the regulation (no underline/strikeout)
 - Sector specialist contacts
- Email reporting tool questions to:
 - ghgreport@arb.ca.gov



GHG Reporting Contacts

Subject Matter	Contact
GHG Mandatory Reporting (General)	Dave Edwards, Manager 916.323.4887
Reporting Requirements, Stationary Combustion, Other Sectors (cement, glass, pulp and paper, etc.)	Patrick Gaffney 916.322.7303
Reporting Tool Registration and General Questions	<u>Karen Lutter</u> 916.322.8620
Electricity Generation and Cogeneration Facilities	Anny Huang 916.323.8475
Electricity Retail Providers and Electricity Marketers	Wade McCartney 916.327.0822
Fuel and CO2 Suppliers - Transportation Fuels, Natural Gas, LPG, CO2	Byard Mosher 916.323.1185
Petroleum Refineries, Hydrogen Plants, Oil & Gas Production	Byard Mosher 916.323.1185
Greenhouse Gas Report Verification	Renee Lawver, Manager 916.322.7062
Chief – Greenhouse Gas Emission Inventory Branch	Richard Bode, Chief 916.323-8413



Thank You